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## DATASHEET

L-Aspartic acid

### Product overview

<b>Name</b>	L-Aspartic acid
<b>Cat No</b>	HB0374
<b>Alternative names</b>	H-Asp-OH, Asparagic acid, L-Asparaginic acid, L-aspartate, Asparaginic acid, L-Asparagic acid, (2S)-Aspartic acid
<b>Biological action</b>	Antagonist
<b>Purity</b>	>98%
<b>Description</b>	Endogenous NMDA receptor agonist

### Images



### Biological Data

<b>Biological description</b>	Endogenous NMDA receptor agonist. Plays role in purine and pyrimidine synthesis. Displays similar activity to D-aspartic acid.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in NaOH(aq) (100mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	L-Aminosuccinic acid
<b>Molecular Weight</b>	133.1
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub>
<b>CAS Number</b>	56-84-8
<b>PubChem identifier</b>	5960
<b>SMILES</b>	[H][C@@](CC(O)=O)(N)C(O)=O

## References

**Structure/activity relations of N-methyl-D-aspartate receptor ligands as studied by their inhibition of [3H]D-2-amino-5-phosphonopentanoic acid binding in rat brain membranes.**

Olverman HJ *et al* (1988) *Neuroscience* 26(1)

**PubMedID**

[2901691](#)

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